

What is claimed is:

1. A control method for a storage device controller system, the storage device controller system comprising:

5 a first storage device controller having first input/output control means for performing input/output processing with respect to a first storage device storing data in accordance with a first recording format, second input/output control means for performing input/output processing with respect to a second
10 storage device storing data in accordance with a second recording format, first communications control means for receiving data input/output requests from a first information processing device for accessing data stored on said first storage device, and second communications control means for receiving data input/output
15 requests from a second information processing device for accessing data stored on said second storage device; and

a second storage device controller having third input/output control means for performing input/output processing with respect to a third storage device storing data
20 in accordance with said second recording format, and third communications control means for receiving input/output requests with respect to data stored on said third storage device;

wherein said second communications control means and said third communications control means are connected;

25 said control method comprising:

a step in which said first storage device controller receives a data read request from said first information processing device;

a step in which said first storage device controller
30 determines that said data read request is for data stored on said

third storage device;

a step in which said first storage device controller transmits said data read request to said second storage device controller if it is determined that said data read request is for
5 data stored on the third storage device;

a step in which said second storage device controller reads out data stored on said third storage device and transmits said data to the first storage device controller; and

a step in which said first storage device controller
10 transmits said data to said first information processing device.

2. A control method for a storage device controller system according to claim 1,

wherein the step in which said first storage device
15 controller transmits said data to said first information processing device is

a step in which said first storage device controller transmits said data to said first information processing device after converting them to data according to said first recording
20 format.

3. A control method for a storage device controller system according to claim 1,

wherein said first and said second recording formats are
25 FBA format and CKD format, respectively.

4. A control method for a storage device controller system according to claim 1,

wherein said first and said second recording formats are
30 CKD format and FBA format, respectively.

5. A control method for a storage device controller system, the storage device controller system comprising:

a first storage device controller having first input/output control means for performing input/output processing with respect to a first storage device storing data in accordance with a first recording format, second input/output control means for performing input/output processing with respect to a second storage device storing data in accordance with a second recording format, first communications control means for receiving data input/output requests from a first information processing device for accessing data stored on said first storage device, and second communications control means for receiving data input/output requests from a second information processing device for accessing data stored on said second storage device; and

a second storage device controller having third input/output control means for performing input/output processing with respect to a third storage device storing data in accordance with said second recording format, and third communications control means for receiving input/output requests with respect to data stored on said third storage device;

wherein said second communications control means and said third communications control means are connected;

said control method comprising:

a step in which said first storage device controller receives a data write request from said first information processing device;

a step in which said first storage device controller determines that said data write request is for said third storage device;

a step in which said first storage device controller transmits said data write request to said second storage device controller if it is determined that said data write request is for said third storage device;

5 a step in which said first storage device controller transmits write data received from said first information processing device to said second storage device controller; and

a step in which said second storage device controller writes said write data to said third storage device.

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6. A control method for a storage device controller system according to claim 5,

wherein the step in which said first storage device controller transmits write data received from said first information processing device to said second storage device controller is

15 a step in which said first storage device controller transmits write data received from said first information storage device to said second storage device controller after converting them to data in accordance with said second recording format.

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7. A control method for a storage device controller system according to claim 5,

wherein said first and said second recording formats are

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8. A control method for a storage device controller system according to claim 5,

wherein said first and said second recording formats are

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CKD format and FBA format, respectively.

9. A storage device controller system comprising:

5 a first storage device controller having first input/output control means for performing input/output processing with respect to a first storage device storing data in accordance with a first recording format, second input/output control means for performing input/output processing with respect to a second storage device storing data in accordance with a second recording format, first communications control means for receiving data
10 input/output requests from a first information processing device for accessing data stored on said first storage device, and second communications control means for receiving data input/output requests from a second information processing device for accessing data stored on said second storage device; and

15 a second storage device controller having third input/output control means for performing input/output processing with respect to a third storage device storing data in accordance with said second recording format, and third communications control means for receiving input/output requests
20 with respect to data stored on said third storage device;

wherein said second communications control means and said third communications control means are connected;

wherein said first storage device controller comprises:
means for receiving a data read request from said first
25 information processing device;

means for determining that said data read request is for data stored on said third storage device;

means for transmitting said data read request to said second storage device controller if it is determined that said data read
30 request is for data stored on said third storage device; and

means for transmitting to said first information processing device said data stored on said third storage device that are transmitted from said second storage device controller; and

wherein said second storage device controller comprises:

5 means for reading out data stored on said third storage device and transmitting said data to said first storage device controller based on said data read request that is transmitted from said first storage device controller.

10 10. A storage device controller system according to claim 9, wherein said means for transmitting to said first information processing device said data stored on said third storage device that are transmitted from said second storage device controller are

15 means for converting data stored on said third storage device that are transmitted from said second storage device into data in accordance with said first recording format and then transmitting them to said first information processing device.

20 11. A storage device controller system according to claim 9, wherein said first and said second recording formats are FBA format and CKD format, respectively.

12. A storage device controller system according to claim 9,
25 wherein said first and said second recording formats are CKD format and FBA format, respectively.

13. A storage device controller system according to claim 9,
wherein said first storage device controller comprises:
30 means for receiving a data write request from said first

information processing device;

means for determining that said data write request is for said third storage device;

means for transmitting said data write request to said
5 second storage device controller if it is determined that said data write request is for said third storage device; and

means for transmitting write data that are received from said first information processing device to said second storage device controller; and

10 wherein said second storage device controller comprises:
means for writing said write data to said third storage device.

14. A storage device controller system according to claim 13,

15 wherein said means for transmitting write data that are received from said first information processing device to said second storage device controller are

means for converting write data received from said first information processing device into data in accordance with said
20 second recording format and then transmitting them to said second storage device controller.

15. A storage device controller system according to claim 13,

wherein said first and said second recording formats are
25 FBA format and CKD format, respectively.

16. A storage device controller system according to claim 13,

wherein said first and said second recording formats are CKD format and FBA format, respectively.